DBR No 26/16-17
DATED 29/09/2016

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No. **2nd & Final** Date.....2016

Division: **Project** Sub-Division:

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: 005-16-000022

Schedule Docket No. Head of Account: P3089 Est.Cost: **100.00 Lacs**

Name of Work (as per sanctioned estimate for the work of Improvements to roads and drains at balance portion of chokkanahalli road connecting Thanisandra main road to Sampigehalli in ward No.05, Byatarayanapura sub division.

Name of Contractor and Full Address: Sri.G.N.Ramesh

Reference to Agreement No.03/16-17 Date: 20.06.2016

Certified that the measurements were taken by me on 19.09.2016 and recorded of Pages 074 to 079 of measurement Book No.**01/10-11** and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 19/9/16 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	Amount adjusted	Total A 91,42,000 - 0 IInd part-paid BR/18/31-8-16 M 4349595 - 0
b) Payments cost store or other material supplied. Now made recovery of amount creditable to this/other work		Final Bill Final Rs. 47,92,405 - 0
c) Amount paid on this bill Cheque / Cash.		
5) Balance being unpaid value of work done held in reserve.		ST - 47926 - 0 VAT - 191703 - 0 CC4 - 47926 - 0 CBF - 4793 - 0
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor	unadjustments items:	LR - 80,396 -
8) Advance to Contractor for materials brought to site (as detailed) within.		Adj - 3,72,744 -
9) Value of Government materials supplied.	Total amount adjusted -	Cheque: 44,19,661

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

P: 3089.

Audited & Admitted for Rs. 47,92,405 - 0

44,19,661/- by Cheque

and Rs. 3,72,744 by Adjustment

Executive Engineer

Accts. Supdt.
Project Division
B.B.M.P.

Asst. Engineer
Project Division
B.B.M.P.

Sl No	Item Name	Unit
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift and directions of the Engineer in charge of the work	Cum
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift and directions of the Engineer in charge of the work	Cum
3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No. 1000 / 2300 with all lead and lift and directions of the Engineer in charge of the work 600mm dia pipe	Rmtr
4	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. with all lead and lift and directions of the Engineer in charge of the work	Cum
5	Providing ruled pointing of coursed stone masonry with Cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, abour, HOm of machineries curing etc., complete as per specification and directions of the Engineer-in-charge	sqm
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift and directions of the Engineer in charge of the work	Cum
7	KSRRB M400-6.2: Construction of granular sub-base by providing Close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with mortar grader on prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications. A Plant Mix methad For Grading II Material with all lead and lift and directions of the Engineer in charge of the work	Cum
8	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 with all lead and lift and directions of the Engineer in charge of the work	Cum
9	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg\sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 with all lead and lift and directions of the Engineer in charge of the work	Cum

Previous Measurements		Present Measurements			Total Up to Date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
12.00	2290.00	82.40	190.80	**15722.00**	94.40	**18012.00**	
1.20	6244.00		5203.00	**0.00**	1.20	**6244.00**	
10.00	40587.00		4058.68	**0.00**	10.00	**40587.00**	
			4099.00	**0.00**	0.00	**0.00**	
			106.00	**0.00**	0.00	**0.00**	
			5431.04	**0.00**	0.00	**0.00**	
1229.25	1875221.00	2.66	1525.50	**4058.00**	1231.91	**1879279.00**	
1469.85	2425253.00	0.14	FR:1698.22	**237.75**	1469.99	**2496366.75**	
			PR:1650.00				
		1469.85	48.22	**70876.00**			
		5872.50	34.80	**204363.00**	5872.50	**204363.00**	

Sl No	Item Name	Unit
10	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 with all lead and lift and directions of the Engineer in charge of the work	Sqm
11	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 with all lead and lift and directions of the Engineer in charge of the work	Cum
12	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site. laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 with all lead and lift and directions of the Engineer in charge of the work	Cum
13	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. with all lead and lift and directions of the Engineer in charge of the work	Sqm
14	Providing and fixing of Reflective Raised Pavement marker (RPM's) / Cat eyes / Road studs confirming to ASTM D4280 type H, having reflective panels made of prismatic lens of total internal reflection, the prismatic lens should be electronically fixed (welded) to the body made of polycarbonate mould, with a height of 20mm, size of 130mm x 105mm and reflecting area of 13sqm with the slope of retro reflective surface within the limit of 35 + 5 degree to the base on either side. The marker shape II display an initial minimum luminous intensity of 279mcd/ lux at an entrance angle of zero degree and observation angle of 0.2 degree. The corresponding values for 20 degree entrance and 0.2 degree observation angle shall be 112 mcd / lux with color multiplying factor on either cases for white, yellow and red markers being 1.0, 0.6 and 0.25 respectively. The RPM's should be fixed by using two numbers of polymer shanks using appropriate adhesive as recommended and certified by the RPM manufacturer. The raised pavement marker should support a sufficient minimum load 13635 Kg in accordance with ministry specification.with all lead and lift and directions of the Engineer in charge of the work	No
	Total	

Previous Measurements		Present Measurements			Total Up to Date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
		11745.00	15.84	186041.00	11745.00	186041.00	
		293.63	6140.00	1802888.00	293.63	1802888.00	
		234.90	9735.00	2286752.00	234.90	2286752.00	
		208.13	520.88	108408.00	208.13	108408.00	
		300.00	377.44	113232.00	300.00	113232.00	
	4349595.00			4792577.75		9142172.75	